

APPENDIX G

Noise Tables

Table G-1
Comparisons between Monitored and Predicted Noise Levels

| Site # | Address | Monitored Level (dBA) | TNM Predicted Level (dBA) | Difference (dBA) |
|--------------|---|-----------------------|---------------------------|------------------|
| AM Peak Hour | | | | |
| 1 | Pennsylvania Avenue/Rock Creek Parkway Interchange Ramp | 70.0 | 67.7 | -2 |
| 2 | Thompson's Boathouse | 57.4 | 58.9 | 2 |
| 3 | Watergate Pool Area (Inside court) | 59.1 | 57.7 | -1 |
| 4 | Watergate Resting Area (outside) | 66.2 | 65.1 | -1 |
| 5 | Kennedy Center West Terrace | 60.0 | 59.7 | 0 |
| 6 | Park along Riverside | 68.6 | 67.2 | -1 |
| 7 | Volleyball Park | 61.2 | 63.3 | 2 |
| 8 | 26 th Street Playground | 66.7 | 65.6 | -1 |
| 9 | 2528 I Street Backyard | 69.1 | 67.1 | -2 |
| 10 | Western Presbyterian Church | 63.8 | 63.2 | -1 |
| 11 | Juarez Circle/Virginia Avenue Overpass Park | 68.8 | 67.2 | -2 |
| 12 | Columbia Plaza Backyard | 68.3 | 67.6 | -1 |
| PM Peak Hour | | | | |
| 1 | Pennsylvania Avenue/Rock Creek Parkway Interchange Ramp | 68.1 | 67.2 | -1 |
| 2 | Thompson's Boathouse | 55.4 | 57.3 | 2 |
| 3 | Watergate Pool Area (inside court) | 54.7 | 56.4 | 2 |
| 4 | Watergate Resting Area (outside) | 64.1 | 63.9 | 0 |
| 5 | Kennedy Center West Terrace | 60.9 | 60.2 | -1 |
| 6 | Park along Riverside | 67.1 | 66.4 | 1 |
| 7 | Volleyball Park | 63.4 | 64.5 | 1 |
| 8 | 26 th Street Playground | 65.4 | 66.0 | 1 |
| 9 | 2528 I Street Backyard | 66.4 | 66.9 | 1 |
| 10 | Western Presbyterian Church | 63.7 | 63.5 | 0 |
| 11 | Juarez Circle/Virginia Avenue Overpass Park | 64.9 | 64.4 | -1 |
| 12 | Columbia Plaza Backyard | 65.8 | 66.2 | 0 |

Table G-2**Comparison between Predicted Existing and No Action Condition Noise Levels**

| Area | Receptor | AM Peak L _{eq(1)} (dBA) | | | PM Peak L _{eq(1)} (dBA) | | |
|--------------------|----------|-------------------------------------|-------------|------------|-------------------------------------|-------------|------------|
| | | Existing | No Action | Difference | Existing | No Action | Difference |
| Monitored Location | 1 | 67.7 | 68.2 | 0.5 | 67.2 | 67.7 | 0.5 |
| | 2 | 58.9 | 59.4 | 0.5 | 57.3 | 57.7 | 0.4 |
| | 3 | 57.7 | 58.2 | 0.5 | 56.4 | 56.9 | 0.5 |
| | 4 | 65.1 | 65.6 | 0.5 | 63.9 | 64.3 | 0.4 |
| | 5 | 59.7 | 60.1 | 0.4 | 60.2 | 60.7 | 0.5 |
| | 6 | 67.2 | 67.7 | 0.5 | 66.4 | 66.9 | 0.5 |
| | 7 | 63.3 | 63.8 | 0.5 | 64.5 | 64.8 | 0.3 |
| | 8 | 65.6 | 66.1 | 0.5 | 66.0 | 66.6 | 0.6 |
| | 9 | 67.1 | 67.6 | 0.5 | 66.9 | 67.4 | 0.5 |
| | 10 | 63.2 | 63.7 | 0.5 | 63.5 | 64.1 | 0.6 |
| | 11 | 67.2 | 67.8 | 0.6 | 64.4 | 64.9 | 0.5 |
| | 12 | 67.6 | 68.1 | 0.5 | 66.2 | 66.7 | 0.5 |
| Area 1 | 1-1 | 66.3 | 66.8 | 0.5 | 66.1 | 66.5 | 0.4 |
| | 1-2 | 60.0 | 60.5 | 0.5 | 61.0 | 61.5 | 0.5 |
| | 1-3 | 66.6 | 67.3 | 0.7 | 65.7 | 66.2 | 0.5 |
| | 1-4 | 58.3 | 58.8 | 0.5 | 58.5 | 59.0 | 0.5 |
| | 1-5 | 67.2 | 67.8 | 0.6 | 67.3 | 67.8 | 0.5 |
| | 1-6 | 66.6 | 67.1 | 0.5 | 67.0 | 67.7 | 0.7 |
| | 1-7 | 69.4 | 69.9 | 0.5 | 69.8 | 70.5 | 0.7 |
| | 1-8 | 61.7 | 62.2 | 0.5 | 62.1 | 62.7 | 0.6 |
| Area 2 | 2-1 | 57.0 | 57.5 | 0.5 | 55.6 | 56.1 | 0.5 |
| | 2-2 | 60.3 | 60.8 | 0.5 | 59.4 | 59.9 | 0.5 |
| | 2-3 | 61.1 | 61.6 | 0.5 | 60.5 | 61.0 | 0.5 |
| | 2-4 | 65.7 | 66.2 | 0.5 | 64.5 | 65.0 | 0.5 |
| | 2-5 | 63.7 | 64.2 | 0.5 | 62.9 | 63.4 | 0.5 |
| | 2-6 | 62.1 | 62.6 | 0.5 | 60.2 | 60.7 | 0.5 |
| | 2-7 | 61.4 | 61.9 | 0.5 | 59.7 | 60.2 | 0.5 |
| | 2-8 | 54.7 | 55.2 | 0.5 | 53.8 | 54.3 | 0.5 |

| Area | Receptor | AM Peak L _{eq(1)} (dBA) | | | PM Peak L _{eq(1)} (dBA) | | |
|--------|----------|-------------------------------------|-------------|------------|-------------------------------------|-------------|------------|
| | | Existing | No Action | Difference | Existing | No Action | Difference |
| | | 2-9 | 64.3 | 64.8 | 0.5 | 64.4 | 64.9 |
| Area 3 | 2-10 | 65.2 | 65.7 | 0.5 | 64.5 | 65.0 | 0.5 |
| | 3-1 | 66.5 | 67.0 | 0.5 | 65.7 | 66.2 | 0.5 |
| | 3-2 | 65.3 | 65.8 | 0.5 | 64.8 | 65.3 | 0.5 |
| | 3-3 | 66.4 | 66.9 | 0.5 | 67.4 | 67.9 | 0.5 |
| | 3-4 | 58.0 | 58.4 | 0.4 | 58.2 | 58.7 | 0.5 |
| | 3-5 | 59.3 | 59.7 | 0.4 | 60.5 | 61.0 | 0.5 |
| | 3-6 | 60.7 | 61.2 | 0.5 | 60.3 | 60.9 | 0.6 |
| | 3-7 | 62.0 | 62.5 | 0.5 | 63.7 | 64.2 | 0.5 |
| Area 4 | 3-8 | 62.7 | 63.2 | 0.5 | 65.8 | 66.3 | 0.5 |
| | 4-1 | 59.8 | 60.3 | 0.5 | 60.0 | 60.5 | 0.5 |
| | 4-2 | 63.7 | 64.2 | 0.5 | 63.8 | 64.3 | 0.5 |
| | 4-3 | 65.6 | 66.2 | 0.6 | 66.0 | 66.6 | 0.6 |
| | 4-4 | 62.4 | 63.1 | 0.7 | 62.1 | 62.7 | 0.6 |
| | 4-5 | 62.0 | 62.5 | 0.5 | 61.6 | 62.1 | 0.5 |
| | 4-6 | 63.4 | 63.8 | 0.4 | 63.7 | 64.3 | 0.6 |
| | 4-7 | 65.3 | 65.8 | 0.5 | 65.8 | 66.3 | 0.5 |
| Area 5 | 4-8 | 60.6 | 61.1 | 0.5 | 63.4 | 63.9 | 0.5 |
| | 5-1 | 67.0 | 67.4 | 0.4 | 66.2 | 66.7 | 0.5 |
| | 5-2 | 63.5 | 63.9 | 0.4 | 65.2 | 65.5 | 0.3 |
| | 5-3 | 65.3 | 65.8 | 0.5 | 64.3 | 64.6 | 0.3 |
| | 5-4 | 63.8 | 64.3 | 0.5 | 66.3 | 66.7 | 0.4 |
| | 5-5 | 62.6 | 63.1 | 0.5 | 63.7 | 64.2 | 0.5 |
| | 5-6 | 67.9 | 68.4 | 0.5 | 64.8 | 65.4 | 0.6 |

Table G-3
Comparison between Predicted Existing and Alternative 4 Noise Levels

| Area | Receptor | AM Peak L _{eq(1)} (dBA) | | | PM Peak L _{eq(1)} (dBA) | | |
|--------------------|----------|----------------------------------|-------------|------------|----------------------------------|-------------|------------|
| | | Existing | Alt 4 | Difference | Existing | Alt 4 | Difference |
| Monitored Location | 1 | 67.7 | 68.2 | 0.5 | 67.2 | 68.0 | 0.8 |
| | 2 | 58.9 | 59.2 | 0.3 | 57.3 | 57.3 | 0.0 |
| | 3 | 57.7 | 58.2 | 0.5 | 56.4 | 55.3 | -1.1 |
| | 4 | 65.1 | 65.6 | 0.5 | 63.9 | 62.1 | -1.8 |
| | 5 | 59.7 | 59.7 | 0.0 | 60.2 | 59.5 | -0.7 |
| | 6 | 67.2 | 67.7 | 0.5 | 66.4 | 65.0 | -1.4 |
| | 7 | 63.3 | 65.0 | 1.7 | 64.5 | 63.9 | -0.6 |
| | 8 | 65.6 | 66.0 | 0.4 | 66.0 | 67.2 | 1.2 |
| | 9 | 67.1 | 67.4 | 0.3 | 66.9 | 68.0 | 1.1 |
| | 10 | 63.2 | 64.1 | 0.9 | 63.5 | 65.4 | 1.9 |
| | 11 | 67.2 | 68.4 | 1.2 | 64.4 | 66.0 | 1.6 |
| | 12 | 67.6 | 68.1 | 0.5 | 66.2 | 71.2 | 5.0 |
| Area 1 | 1-1 | 66.3 | 66.8 | 0.5 | 66.1 | 66.9 | 0.8 |
| | 1-2 | 60.0 | 60.4 | 0.4 | 61.0 | 62.7 | 1.7 |
| | 1-3 | 66.6 | 67.2 | 0.6 | 65.7 | 66.2 | 0.4 |
| | 1-4 | 58.3 | 58.9 | 0.6 | 58.5 | 60.4 | 1.9 |
| | 1-5 | 67.2 | 67.8 | 0.6 | 67.3 | 68.1 | 0.8 |
| | 1-6 | 66.6 | 67.1 | 0.5 | 67.0 | 67.9 | 0.9 |
| | 1-7 | 69.4 | 69.1 | -0.3 | 69.8 | 69.0 | -0.8 |
| | 1-8 | 61.7 | 62.3 | 0.6 | 62.1 | 62.4 | 0.3 |
| Area 2 | 2-1 | 57.0 | 57.4 | 0.4 | 55.6 | 55.1 | -0.5 |
| | 2-2 | 60.3 | 60.6 | 0.3 | 59.4 | 58.2 | -1.2 |
| | 2-3 | 61.1 | 61.5 | 0.4 | 60.5 | 58.7 | -1.8 |
| | 2-4 | 65.7 | 66.2 | 0.5 | 64.5 | 62.8 | -1.7 |
| | 2-5 | 63.7 | 64.3 | 0.6 | 62.9 | 60.8 | -2.1 |
| | 2-6 | 62.1 | 62.7 | 0.6 | 60.2 | 59.7 | -0.5 |
| | 2-7 | 61.4 | 62.0 | 0.6 | 59.7 | 59.4 | -0.3 |
| | 2-8 | 54.7 | 55.3 | 0.6 | 53.8 | 53.6 | -0.2 |

| Area | Receptor | AM Peak L _{eq(1)} (dBA) | | | PM Peak L _{eq(1)} (dBA) | | |
|--------|----------|----------------------------------|-------------|------------|----------------------------------|-------------|------------|
| | | Existing | Alt 4 | Difference | Existing | Alt 4 | Difference |
| | 2-9 | 64.3 | 66.0 | 1.7 | 64.4 | 64.8 | 0.4 |
| | 2-10 | 65.2 | 65.2 | 0.0 | 64.5 | 66.2 | 1.7 |
| Area 3 | 3-1 | 66.5 | 67.0 | 0.5 | 65.7 | 64.6 | -1.1 |
| | 3-2 | 65.3 | 65.8 | 0.5 | 64.8 | 63.8 | -1.0 |
| | 3-3 | 66.4 | 66.9 | 0.5 | 67.4 | 67.2 | -0.2 |
| | 3-4 | 58.0 | 58.1 | 0.1 | 58.2 | 57.8 | -0.4 |
| | 3-5 | 59.3 | 59.2 | -0.1 | 60.5 | 60.2 | -0.3 |
| | 3-6 | 60.7 | 60.0 | -0.7 | 60.3 | 62.6 | 2.3 |
| | 3-7 | 62.0 | 62.0 | 0.0 | 63.7 | 65.2 | 2.5 |
| | 3-8 | 62.7 | 64.4 | 1.7 | 65.8 | 67.7 | 1.9 |
| Area 4 | 4-1 | 59.8 | 60.4 | 0.6 | 60.0 | 61.2 | 1.2 |
| | 4-2 | 63.7 | 64.1 | 0.4 | 63.8 | 65.3 | 1.5 |
| | 4-3 | 65.6 | 66.6 | 1.0 | 66.0 | 68.3 | 2.3 |
| | 4-4 | 62.4 | 63.0 | 0.6 | 62.1 | 65.0 | 2.9 |
| | 4-5 | 62.0 | 62.3 | 0.3 | 61.6 | 65.6 | 4.0 |
| | 4-6 | 63.4 | 63.7 | 0.3 | 63.7 | 66.3 | 2.6 |
| | 4-7 | 65.3 | 65.3 | 0.0 | 65.8 | 68.7 | 2.9 |
| | 4-8 | 60.6 | 60.6 | 0.0 | 63.4 | 63.8 | 0.4 |
| Area 5 | 5-1 | 67.0 | 67.5 | 0.5 | 66.2 | 66.1 | -0.1 |
| | 5-2 | 63.5 | 65.8 | 2.3 | 65.2 | 66.8 | 1.6 |
| | 5-3 | 65.3 | N/A | N/A | 64.3 | N/A | N/A |
| | 5-4 | 63.8 | 64.2 | 0.4 | 66.3 | 66.8 | 0.5 |
| | 5-5 | 62.6 | 63.8 | 1.2 | 63.7 | 64.5 | 0.8 |
| | 5-6 | 67.9 | 69.0 | 1.1 | 64.8 | 67.6 | 2.8 |

Table G-4

Comparison between Predicted Existing and Alternative 4V Noise Levels

| Area | Receptor | AM Peak L _{eq(1)} (dBA) | | | PM Peak L _{eq(1)} (dBA) | | |
|--------------------|----------|-------------------------------------|-------------|------------|-------------------------------------|-------------|------------|
| | | Existing | Alt 4V | Difference | Existing | Alt 4V | Difference |
| Monitored Location | 1 | 67.7 | 68.2 | 0.5 | 67.2 | 67.7 | 0.5 |
| | 2 | 58.9 | 59.4 | 0.5 | 57.3 | 58.0 | 0.7 |
| | 3 | 57.7 | 58.2 | 0.5 | 56.4 | 55.4 | -1.0 |
| | 4 | 65.1 | 65.6 | 0.4 | 63.9 | 62.2 | -1.7 |
| | 5 | 59.7 | 60.0 | 0.3 | 60.2 | 60.1 | -0.1 |
| | 6 | 67.2 | 67.7 | 0.5 | 66.4 | 65.0 | -1.4 |
| | 7 | 63.3 | 64.8 | 1.5 | 64.5 | 64.6 | 0.1 |
| | 8 | 65.6 | 66.2 | 0.6 | 66.0 | 67.4 | 1.4 |
| | 9 | 67.1 | 67.7 | 0.6 | 66.9 | 68.2 | 1.3 |
| | 10 | 63.2 | 64.2 | 1.0 | 63.5 | 65.4 | 1.9 |
| | 11 | 67.2 | 68.4 | 1.2 | 64.4 | 66.0 | 1.6 |
| | 12 | 67.6 | 68.3 | 0.7 | 66.2 | 71.0 | 4.8 |
| Area 1 | 1-1 | 66.3 | 66.9 | 0.6 | 66.1 | 66.9 | 0.8 |
| | 1-2 | 60.0 | 60.6 | 0.6 | 61.0 | 62.8 | 1.8 |
| | 1-3 | 66.6 | 67.3 | 0.7 | 65.7 | 66.2 | 0.5 |
| | 1-4 | 58.3 | 59.2 | 0.9 | 58.5 | 60.6 | 2.1 |
| | 1-5 | 67.2 | 67.8 | 0.6 | 67.3 | 68.0 | 0.7 |
| | 1-6 | 66.6 | 67.2 | 0.6 | 67.0 | 68.7 | 1.7 |
| | 1-7 | 69.4 | 69.2 | 0.8 | 69.8 | 69.8 | 0.0 |
| | 1-8 | 61.7 | 62.4 | 0.7 | 62.1 | 63.3 | 1.2 |
| Area 2 | 2-1 | 57.0 | 57.5 | 0.5 | 55.6 | 55.8 | 0.2 |
| | 2-2 | 60.3 | 60.7 | 0.4 | 59.4 | 58.8 | -0.6 |
| | 2-3 | 61.1 | 61.5 | 0.5 | 60.5 | 59.0 | -1.5 |
| | 2-4 | 65.7 | 66.2 | 0.5 | 64.5 | 63.1 | -1.4 |
| | 2-5 | 63.7 | 64.3 | 0.6 | 62.9 | 61.0 | -1.9 |
| | 2-6 | 62.1 | 62.7 | 0.6 | 60.2 | 59.8 | -0.4 |
| | 2-7 | 61.4 | 62.1 | 0.8 | 59.7 | 59.4 | -0.3 |
| | 2-8 | 54.7 | 55.4 | 0.7 | 53.8 | 53.7 | -0.1 |

| Area | Receptor | AM Peak L _{eq(1)} (dBA) | | | PM Peak L _{eq(1)} (dBA) | | |
|--------|----------|----------------------------------|-------------|------------|----------------------------------|-------------|------------|
| | | Existing | Alt 4V | Difference | Existing | Alt 4V | Difference |
| | 2-9 | 64.3 | 66.0 | 1.7 | 64.4 | 64.9 | 0.5 |
| | 2-10 | 65.2 | 65.3 | 0.1 | 64.5 | 66.2 | 1.7 |
| Area 3 | 3-1 | 66.5 | 67.0 | 0.5 | 65.7 | 64.6 | -1.1 |
| | 3-2 | 65.3 | 65.8 | 0.5 | 64.8 | 63.8 | -1.0 |
| | 3-3 | 66.4 | 67.0 | 0.6 | 67.4 | 67.4 | 0.0 |
| | 3-4 | 58.0 | 58.4 | 0.4 | 58.2 | 58.6 | 0.2 |
| | 3-5 | 59.3 | 59.6 | 0.3 | 60.5 | 60.9 | 0.4 |
| | 3-6 | 60.7 | 61.1 | 0.4 | 60.3 | 62.4 | 2.1 |
| | 3-7 | 62.0 | 63.9 | 1.9 | 63.7 | 62.5 | -1.2 |
| | 3-8 | 62.7 | 64.8 | 2.1 | 65.8 | 67.3 | 1.5 |
| Area 4 | 4-1 | 59.8 | 60.5 | 0.7 | 60.0 | 61.7 | 1.7 |
| | 4-2 | 63.7 | 64.2 | 0.5 | 63.8 | 65.0 | 1.4 |
| | 4-3 | 65.6 | 66.6 | 1.0 | 66.0 | 68.3 | 2.3 |
| | 4-4 | 62.4 | 63.2 | 0.8 | 62.1 | 65.2 | 3.1 |
| | 4-5 | 62.0 | 63.0 | 1.0 | 61.6 | 66.1 | 4.5 |
| | 4-6 | 63.4 | 64.9 | 1.5 | 63.7 | 65.8 | 2.1 |
| | 4-7 | 65.3 | 67.1 | 1.8 | 65.8 | 68.5 | 2.9 |
| | 4-8 | 60.6 | 61.1 | 0.5 | 63.4 | 63.9 | 0.6 |
| Area 5 | 5-1 | 67.0 | 67.5 | 0.5 | 66.2 | 65.8 | -0.4 |
| | 5-2 | 63.5 | 65.1 | 1.6 | 65.2 | 65.7 | 0.5 |
| | 5-3 | 65.3 | N/A | N/A | 64.3 | N/A | N/a |
| | 5-4 | 63.8 | 64.3 | 0.5 | 66.3 | 66.8 | 0.5 |
| | 5-5 | 62.6 | 63.7 | 1.1 | 63.7 | 64.7 | 1.0 |
| | 5-6 | 67.9 | 65.9 | -2.0 | 64.8 | 65.5 | 0.7 |

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